## BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name of work:Construction of Concreate Roads in Venkatagowda Layout Cross Roads in ward No. 07, Byatarayanapura Kodigehalli Sub Division.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Estimate Cost Rs. | | | | | 2000000.00 | |
| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount | |
| 1 | KSRRB 300-1. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. No. 138 Item No. 19.2/ PWD SR 2014-15. | | | | | | | | | |
| | Disiliting 1st Main Road Venkatagowda Layout | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | | |
| | 2nd Main Road | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | | |
| | 3rd Main Road | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | 7.00 | 0.10 | 37.10 | | | |
| | Basic Rate | 98.00 | | | | | **121.10** | 105.84 | **12817.00** | |
| | Area Weightage @ 8% | 7.84 | | | | | | | | |
| | **Total** | **105.84** | | | | | | | | |
| 2 | KSRRB 300-3. Earthwork excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15 m. and lift of 1.5m. (When earth is taken from bank cutting or from borrow pits ) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. ( excluding watering and compaction of earth ) ( P 138, I.No. 19.3) SR-2014-15 | | | | | | | | | |
| | Disiliting 1st Main Road Marriyamana Temple | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | | |
| | 2nd Main Road | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | | |
| | 3rd Main Road | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | 7.00 | 0.10 | 37.10 | | | |
| | | | | | | | **121.10** | 97.20 | **11770.92** | |
| | Basic Rate | 90.00 | | | | | | | | |
| | Area Weightage @ 8% | 7.20 | | | | | | | | |
| | **Total** | **97.20** | | | | | | | | |
| 3 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (P. 145, I.No. 19.64) SR-2014-15 | | | | | | | | | |
| | 1st Main Road Marriyamana Temple | Sqm | 1 | 40.00 | | | 40.00 | | | |
| | 2nd Main Road | | 1 | 40.00 | | | 40.00 | | | |
| | 3rd Main Road | | 1 | 40.00 | | | 40.00 | | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | | | 53.00 | | | |
| | | | | | | | **173.00** | 4.48 | **775.00** | |
| | Basic Rate | 4.15 | | | | | | | | |
| | Area Weightage @ 8% | 0.33 | | | | | | | | |
| | Total | **4.48** | | | | | | | | |
| 4 | KSRRB 300-64.2. Extra for watering the earth to bring the earth upto required optimum moisture content with mechinery including cost of all labour, HOM of machineries complete as per specifications. (P. 146, I.No. 19.72) SR-2014-15 | | | | | | | | | |
| | 1st Main Road Marriyamana Temple | Cum | 1 | 40.00 | | | 40.00 | | | |
| | 2nd Main Road | | 1 | 40.00 | | | 40.00 | | | |
| | 3rd Main Road | | 1 | 40.00 | | | 40.00 | | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | | | 53.00 | | | |
| | | | | | | | **173.00** | 2.16 | **373.68** | |
| | Basic Rate | 2.00 | | | | | | | | |
| | Area Weightage @ 8% | 0.16 | | | | | | | | |
| | Total | **2.16** | | | | | | | | |
| 5 | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of nominal mix 1:1:2 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.(excluding cost of steel, fabrication & plastering) (p/ 13, I.No. 4.10) SR- | | | | | | | | | |
| | Disiliting 1st Main Road Marriyamana Temple | Cum | 1 | 40.00 | 7.00 | 0.15 | 42.00 | | | |
| | 2nd Main Road | | 1 | 40.00 | 7.00 | 0.15 | 42.00 | | | |
| | 3rd Main Road | | 1 | 40.00 | 7.00 | 0.15 | 42.00 | | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | 7.00 | 0.15 | 55.65 | | | |
| | | | | | | | **181.65** | 6283.44 | **1141387.00** | |
| | Basic Rate | 5818.00 | | | | | | | | |
| | Area Weightage @ 8% | 465.44 | | | | | | | | |
| | Total | **6283.44** | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges) Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-341 Kg/cum) (P. 18, I.No. 4.49.1) SR-2014-15 | | | | | | | | |
| | 1st Main Road Marriyamana Temple | CMTR | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | |
| | 2nd Main Road | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | |
| | 3rd Main Road | | 1 | 40.00 | 7.00 | 0.10 | 28.00 | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | 7.00 | 0.10 | 37.10 | | |
| | | | | | | | **121.10** | 5847.12 | **708086.00** |
| | Basic Rate | 5414.00 | | | | | | | |
| | Area Weightage @ 8% | 433.12 | | | | | | | |
| | Total | **5847.12** | | | | | | | |
| 7 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. ( P. 171 I. No. 22.7) SR-2014-15 | | | | | | | | |
| | 1st Main Road Marriyamana Temple | Sqm | 1 | 40.00 | | | 40.00 | | |
| | 2nd Main Road | | 1 | 40.00 | | | 40.00 | | |
| | 3rd Main Road | | 1 | 40.00 | | | 40.00 | | |
| | Cross Road: 3rd cross | | 1 | 53.00 | | | 53.00 | | |
| | | | | | | | **173.00** | 97.20 | **16815.60** |
| | Basic Rate | 90.00 | | | | | | | |
| | Area Weightage @ 8% | 7.20 | | | | | | | |
| | Total | **97.20** | | | | | | | |
| 8 | Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc. including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement(P. 172 I. No. 22.8.1) SR-2014-15 | | | | | | | | |
| | 1st Main | Rmtr | 15 | 4.50 | | | 67.50 | | |
| | | | | | | | **67.50** | 124.20 | **8384.00** |
| | Basic Rate | 115.00 | | | | | | | |
| | Area Weightage @ 8% | 9.20 | | | | | | | |
| | Total | **124.20** | | | | | | | |
| 9 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km ( Page No.141) | | | | | | | | |
| | | Cum | Qty. Vide Item No. 1 | | | | **139.68** | | |
| | | | Qty. Vide Item No. 5 | | | | **730.20** | | |
| | | | | | | | **869.88** | 81.00 | **70460.00** |
| | Basic Rate for haulage of materials as per item | 12.80 | | | | | | | |
| | Average weight of earth 1.28 tonne/Kg for | 62.20 | | | | | | | |
| | Add loading and unloading vide item No. 17 | **75.00** | | | | | | | |
| | Area Weightage @ 8% | 6.00 | | | | | | | |
| | Total | **81.00** | | | | | | | |
| | Sub total | | | | | | | | **1970869.20** |
| 10 | Third party inspection charges 1% | | | | | | | | **19708.692** |
| 11 | Miscesallaneous Charges | L/S | | | | | | | **9422.11** |
| | | | | | | | | Total | **2000000.00** |

**(RupeesTwenty Lakhs Only)**

**CERTIFICATE:**

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2014-15.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Junior Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Twenty lakhs only
P-1771
20.00 L
Subject to conditions contained in enclosed Memo No. EE/ /
Dt
ADC/YLK/AS/ 1135/14-15 dated
Rs
Addl. Commissioner (Yelahanka Zone) BBMP, Bengaluru-92
23
29/10/14
114
29/10/14